

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 509582000110

Application Number 09/876,157

Applicant

David H. McDaniel

Filing Date June 8, 2001

Group Art Unit 3763

Mailing Date

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	7/10/84	4,458,678	Yannas et al.			
	2.	03/03/87	4,646,743	Parris			
	3.	12/19/89	4,888,354	Chang et al.			
	4.	6/05/90	4,930,504	Diamtopulos et al.			
	5.	11/13/90	4,969,912	Kelman et al.			
	6.	06/04/91	5,021,452	Labbe et al.			
	7.	03/30/93	5,198,465	Dioguardi			
	8.	11/30/93	5,266,480	Naughton et al.			
	9.	7/26/94	5,332,802	Kelman et al.			
	10.	11/22/94	5,336,498	Brannan et al.			
	11.	03/14/95	5,397,352	Burres			
	12.	8/29/95	5,445,146	Bellinger			
	13.	08/19/95	5,445,634	Keller			
	14.	10/24/95	5,460,939	Hansbrough et al.			
	15.	01/07/97	5,591,44	Boss, Jr.			
	16.	08/26/97	5,660,836	Knowlton			
	17.	08/26/97	5,660,850	Boss, Jr.			
	18.	09/09/97	5,665,372	Boss, Jr.			
	19.	05/26/98	5,755,752	Segal			
	20.	08/30/88	4,767,402	Kost et al.			
	21.	08/06/91	5,037,432	Molinari			
	22.	07/13/93	5,226,907	Tankovich			
	23.	08/03/93	5,231,975	Bommannan et al.			
	24.	06/13/95	5,423,803	Tankovich et al.			
	25.	06/20/95	5,425,728	Tankovich			
	26.	04/15/97	5,620,478	Eckhouse			

EXAMINER: (examiner)

DATE CONSIDERED:

March 10, 2005

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 509582000110

Application Number 09/876,157

Applicant

David H. McDaniel

Filing Date June 8, 2001

Group Art Unit 3763

Mailing Date

27.	07/01/97	5,643,334	Eckhouse
28.	08/19/97	5,658,323	Miller
29.	09/23/97	5,669,916	Andersen
30.	11/04/97	5,683,380	Eckhouse et al.
31.	11/11/97	5,686,112	Liedtke
32.	05/19/98	5,752,949	Tankovich et al.
33.	10/06/98	5,817,089	Tankovich et al.
34.	12/01/98	5,843,072	Furumoto et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
	35.	08/28/97	97/7751	South Africa			

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	36.	<u>Lasers in Surgery and Medicine</u> , 21:262-268 (1997), Improvement of Host Response to Sepsis by Photobiomodulation, Wei Yu et al. (marked up)
	37.	<u>J. Dermatol. Surg. Oncol.</u> , 13:2, February, 1987, Biostimulation of Wound Healing by Lasers: Experimental Approaches in Animal Models and Fibroblast Cultures, R. Patrick Abergel et al. (marked up)
	38.	<u>Lasers in Surgery and Medicine</u> , 12:528-537 (1992), Power Density and Exposure Time of He-Ne Laser Irradiation are More Important than Total Energy Dose in Photo-Biomodulation of Human Fibroblasts in Vitro, Hans H.F.I. van Breugel et al.
	39.	Skin Barrier Principles of Percutaneous, Absorption, Hans Schaefer et al. 1996., pp.153 and 175 (marked up)
	40.	<u>Skin Pharmacol.</u> , 1994; 7:130-139, High Frequency Sonophoresis: Permeation Pathways and Structural Basis for Enhanced Permeability, Gopinathan K. Menon et al. (marked up)
	41.	<u>Anesthesiology</u> , V. 78 No. 6, June 1993, Use of Ultrasound to Enhance the Local Anesthetic Effect of Topically Applied Aqueous Lidocaine, Katsuro Tachibana et al. (marked up)
	42.	<u>Journal of the American Podiatric Medical Association</u> , Vol. 82, No. 8, August 1992, Hydrocortisone Phonophoresis, A Literature Review, Joseph T. Newman et al. (marked up)

EXAMINER:

DATE CONSIDERED:

March 10, 2005

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary) OCT 0 8 2001

Docket Number 509582000110

Application Number 09/876,157

Applicant

David H. McDaniel

Filing Date June 8, 2001

Group Art Unit 3763

Mailing Date

43. Science, Vol. 269, August, 1995, Ultrasound-Mediated Transdermal Protein Delivery, Samir Mitragotri et al. (marked up)
44. Pharmaceutical Research, Vol. 8, No. 2, 1991, Influence of Ultrasound on the Percutaneous Absorption of Nicotinate Esters, Heather A. Benson et al. (marked up)
45. Physiotherapy, Vol. 74, No. 11, November, 1988, Transmission of Ultrasound Energy Through Topical Pharmaceutical Products, Heather A.E. Benson et al. (marked up)
46. Journal of Pharmaceutical Sciences, Vol. 84, No. 6, June, 1995, A Mechanistic Study of Ultrasonically-Enhanced Transdermal Drug Delivery, Samir Mitragotri et al. (marked up)
47. Pharmaceutical Research, Vol. 9, No. 8, 1992, Sonophoresis. II. Examination of the Mechanisms of Ultrasound-Enhanced Transdermal Drug Delivery, D. Bommannan et al. (marked up)
48. The International Congress of Esthetics, October 25-27, 1997, convention program
49. Cosmetics & Toiletries, Vol. 113, June, 1998, Ultrasonic Radiation for Hair Treatments, Miklos M. Bruer
50. J. Appl. Cosmetol., Vol. 15, 147-159, Oct.-Dec. 1997, Enhancing the Glycolic Acid Efficacy by Piezoelectric Vibrations, P. Morganti et al. (marked up)
51. Rheumatology and Rehabilitation, 1975, 14, 237, The Stimulation of Protein Synthesis in Human Fibroblasts by Therapeutic Ultrasound, W. Harvey et al. (marked up)
52. Physical Therapy, Vol. 75, No. 7, July 1995, In Vitro Effects of Therapeutic Ultrasound on the Nucleus of Human Fibroblasts, Patrick G. De Deyne et al.
53. The Lancet, July 25, 1987, A Controlled Trial Weekly Ultrasound Therapy in Chronic Leg Ulceration, M.J. Callam et al., pp.204-206 (marked up)
54. Am. J. Phys. Med. Rehabil., Vol. 68 No. 6, December 1989, The Effects of Therapeutic Ultrasound on Tendon Healing, Chukuka S. Enwemeka
55. Acta Chirurgiae Plasticae, 19, 3-4, 1977, Ultrasonic Effect on Collagen Synthesis and Deposition in Differently Localized Experimental Granulomas, J.E. Purkyne (marked up)
56. Infections in Surgery, September, 1982, Stimulation of Tissue Repair by Therapeutic Ultrasound, Mary Dyson
57. Arch Phys Med Rehabil. Vol. 73, July 1992, Low Dose Ultrasound Effects of Wound Healing: A Controlled Study with Yucatan Pigs, Nancy N. Byl, et al. (marked up)
58. Physiotherapy, April 1978, Vol. 64, No. 4, Stimulation of Tissue Repair by Ultrasound: A Survey of Mechanisms Involved, Mary Dyson et al. (marked up)
59. Acta Chirurgiae Plasticae, 15, 2, 1973, Strengthening of Sutured Skin Wound with Ultrasound in Experiments on Animals, V. Drastichova et al.
60. Ultrasonics, January, 1980, The Role of Ultrasound-Induced Cavitation in the In-Vitro Stimulation of Collagen Synthesis in Human Fibroblasts D.F. Webster et al. (marked up)


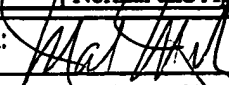
EXAMINER: *Ma F. A. J.*DATE CONSIDERED: *March 10 2003*

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449		Docket Number 509582000110	Application Number 09/876,157
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant David H. McDaniel	
		Filing Date June 8, 2001	Group Art Unit 3763
		Mailing Date	

61.	<u>Ultrasound in Med. & Biol.</u> , Vol. 4 pp-343-351, The Role of Cavitation in the In Vitro Stimulation of Protein Synthesis in Human Fibroblasts by Ultrasound, D.F. Webster et al. (marked up)
62.	<u>J. Dermatol Sci.</u> , March 1996, 11(3):250-253, Ascorbic Acid Preferentially Enhances Type I and III Collagen Gene Transcription in Human Skin Fibroblasts, Takima S. Pinnel (Abstract)
63.	<u>J. Photocem Photobiol B</u> , February 1993; 17(2):109-114, Photodynamic Effects on the Nuclear Envelope of Human Skin Fibroblasts, B. Krammer et al. (Abstract)
64.	<u>J. Biochem (Tokyo)</u> , November, 1984; 96(5):1491-1500, Hemoprotein H-450 Identified as a Form of Cytochrome P-450 Having an Endogenous Ligand at the 6th Coordination Position of the Heme, T. Omura (Abstract)
65.	<u>Laryngoscope</u> , December, 1987, 97(12):1454-1459, Biostimulative Effects of Nd:YAG Q-Switch Dye on Normal Human Fibroblast Cultures: Study of a New Chemosensitizing Agent for the Nd:YAG Laser, D.J. Castro et al. (Abstract)
66.	<u>Vojnosanit Pregl.</u> , November, 1995; 52(6):539-546, Stimulatory Effect of Low-Power Density He-Ne Radiation of Human Fibroblasts in Vitro, M. Hrnjak et al. (Abstract)
67.	<u>Ann Plast Surg.</u> , January, 1987; 18(1):47-50, Biostimulation of Wound Healing in Vivo by a Helium-Neon Laser, R.F. Lyons et al. (Abstract)
68.	<u>Lasers Surg Med.</u> , 1997; 20(1):56-63, Effects of Photostimulation on Wound Healing in Diabetic Mice, W. Yu et al. (Abstract)
69.	<u>Artif Cells Blood Substit Immobil Biotechnol.</u> , July, 1998; 26(4):437-439, In Vitro Experimental Research of Rabbit Chondrocytes Biostimulation with Diode Laser Ga-Al-As: a Preliminary Study, G. Morrone et al. (Abstract)
70.	<u>Lasers in Surgery and Medicine</u> , 22:281-287 (1998), Laser Photostimulation of Collagen Production in Healing Rabbit Achilles Tendons, G. Kesava Reddy et al. (Abstract)
71.	<u>Lasers in Surgery and Medicine</u> , 22:294-301 (1998), Stimulatory Effect of 660 nm Low Level Laser Energy on Hypertrophic Scar-Derived Fibroblasts: Possible Mechanisms for Increase in Cell Counts, Cecilia Webb et al. (Abstract)
72.	<u>Lasers Surg Med.</u> , 1992; 12(5):528-537, Power Density and Exposure Time He-Ne Laser Irradiation are More Important than Total Energy Dose in Photo-Biomodulation of Human Fibroblasts in Vitro, H.H. Van Bruegel et al. (Abstract)
73.	<u>Vojnosanit Pregl.</u> , November, 1995; 52(6):539-546, Stimulatory Effect of Low-Power Density He-Ne Laser Radiation on Human Fibroblasts in Vitro, M. Hrnjak et al. (Abstract)
74.	<u>Dermatol Surg.</u> , 1998; 24:1383-1386, The Use of Low Energy Photon Therapy (LEPT) in Venous Leg Ulcers: Double-Blind Placebo-Controlled Study, Aditya K. Gupta et al.
75.	<u>Lasers Surg. Med.</u> , 1997; 20(2):131-141, Thermal Damage Assessment of Blood Vessels in a Hamster Skin Flap Model by Fluorescent Measurement of a Liposome-dye System, S. Mordon et al.
76.	<u>Laser Surg. Med.</u> , 1997; 21(4): 365-73, Selective Laser Photocoagulation of Blood Vessels in a

EXAMINER: <i>[Signature]</i>	DATE CONSIDERED: <i>March 10, 2005</i>
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

Form PTO-1449		Docket Number 509582000110	Application Number 09/876,157
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)		Applicant David H. McDaniel	
		Filing Date June 8, 2001	Group Art Unit 3763
		Mailing Date	
<div style="text-align: center;">  </div>			
		Hamster Skin Flap Model Using a Specific ICG Formulation, S. Mordon et al.	
77.		<u>Journal of Drug Targeting</u> , 1994, Vol. 2, pp.405-410, Liposomes: A Novel Topical Delivery System for Pharmaceutical and Cosmetic Applications, N. Weiner et al.	
78.		<u>Pharmaceutical Research</u> , 1992, Vol 9, pp. 629-635, Adsorption of Fluorescein Dyes on Albumin Microspheres, Kamel Egbaria et al.	
79.		<u>Pharmaceutical Research</u> , Vol. 10, No. 12, 1993, Site-Specific Drug Delivery to Pilosebaceous Structures Using Polymeric Microspheres, Alain Rolland et al.	
80.		<u>Journal of Pharmaceutical Sciences</u> , Vol. 79, No. 6, 1990, Relationship Between Contact Time of Applied Dose and Percutaneous Absorption of Minoxidil from a Topical Solution, James Ferry et al.	
81.		<u>Journal of Pharmaceutical Sciences</u> , Vol. 81, No. 8, 1992, Drug and Vehicle Deposition from Topical Applications:: Use of Vitro Mass Balance Technique with Minoxidil Solutions, Jui-Chen Tsai et al.	
82.		<u>Journal of Pharmaceutical Sciences</u> , Vol. 78, No. 5, 1989, Transdermal Iontophoretic Drug Delivery: Mechanistic Analysis and Application to Polypeptide Delivery, V. Srinivasan et al.	
83.		<u>Science</u> , Vol. 270, 1995, Chemical Generation Of Acoustic Waves: A Giant Photoacoustic Effect, Huxiong Chen et al.	
84.		<u>The Journal of Investigative Dermatology</u> , Vol. 103, No. 2, 1994, Effects of Ascorbic Acid on Proliferation and Collagen Synthesis in Relation to the Donor Age of Human Dermal Fibroblasts, Charlotte Philips et al.	
85.		<u>Journal of Pharmaceutical Sciences</u> , Vol. 58, No. 9, 1969, Enhancement of Percutaneous Absorption by the Use of Volatile: Nonvolatile Systems as Vehicles, M.F. Coldman et al.	
86.		<u>Xenobiotica</u> , 1987, Vol. 17, No. 9, 1113-1120, Deposition of Viprostol (a Synthetic PBE2 Vasodilator) in the skin Following Topical Administration to Laboratory Animals, G. Nicolau et al.	
87.		<u>Meth and Find Exp Clin Pharmacol</u> , 1989; 11(10): 643-646, Percutaneous Absorption of Coumarin, Griseofulvin and Propranolol Across Human Scalp and Abdominal Skin, Wolfgang Ritschel et al.	
88.		<u>The Journal of Investigative Dermatology</u> , Vol. 99, No. 1, 1992, Topical Delivery Enhancement with Multilamellar Liposomes into Pilosebaceous Units: I. In Vitro Evaluation Using Florescent Techniques with the Hamster Ear Model, Linda Lieb et al.	
89.		<u>Arch Dermatol</u> , Vol. 121, Feb. 1985, Percutaneous Absorption of Minoxidil in Man, Thomas Franz	
90.		<u>Skin Pharmacol</u> , 1991; 4:230-234, Percutaneous Penetration of Methyl Nicotinate at Three Anatomic Sites: Evidence for an Appendageal Contribution to Transport, Ethel Tur et al.	
91.		<u>Journal of Pharmaceutical Sciences</u> , Vol., 79, No. 7, 1990, Iontophoresis of Polypeptides: Effect of Ethanol Pretreatment of Human Skin, V. Srinivasan et al.	
92.		<u>Skin Pharmacol</u> , 1994; 7:245-256, Percutaneous Absorption of Estradiol and Progesterone in Normal and Appendage-Free Skin of the Hairless Rat: Lack of Importance of Nutritional Blood	
EXAMINER: 		DATE CONSIDERED: March 10, 2005	
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.			

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 509582000110

Application Number 09/876,157

Applicant

David H. McDaniel

Filing Date June 8, 2001

Group Art Unit 3763

Mailing Date

Flow, F. Hueber et al.

93. Journal of Pharmaceutical Sciences, Vol. 82, No. 2, 1993, Iontophoretic Transdermal Delivery of Salicylic Acid and Lidocaine to Local Subcutaneous Structures, Pariminder Singh et al.
94. Arch Dermatol Res, 267, 229-235 (1980), Variations in Percutaneous Absorption of Testosterone in Rhesus Monkey Due to Anatomic Site of Application and Frequency of Application, Ronald Wester et al.
95. Pharmaceutical Research, Vol. 9, No. 7, 1992, Transdermal Delivery of Insulin to Alloxan-Diabetic Rabbits by Ultrasound Exposure, Katsuro Tachibana
96. Photodermatol Photoimmunol Photomed, 1991;8:129-134, Effects of Ultraviolet A and B on the Skin Barrier: a Functional, Electron Microscopic and Lipid Biochemical Study P. Lehman et al.
97. Arch Dermatol, Vol. 127, January 1991, Ultrasound Localization of Calcium in Psoriatic and Normal Human Epidermis, Gopinathan K. Menon et al.
98. British Journal of Dermatology, 1982, 107, 35-42, A Fluorescence Photographic Photometric Technique to assess Stratum Corneum Turnover Rate and Barrier Function in Vivo, A Finlay et al.
99. Physiological Review, Vol. 51, No. 4, 1971, Permeability of the Skin, Robert Scheuplein et al.
100. Mag.-Bull., 1987, pp. 130-131, Noise-Induced Hearing Loss in Humans as a Function of Serum Mg Concentration, Z. Joachims et al.
101. Clin. Cardiol, 20, 285-290 (1997), Electrophysiology, Pacing and Arrhythmia, Dan Roden, MD
102. The Yale Journal of Biology and Medicine, 58 (1985), 553-559, Regulation of Collagen Biosynthesis by Ascorbic Acid: A Review, Sheldon Pinnell
103. Archives of Biochemistry and Biophysics, Vol. 295, No. 2, 1992, pp.397-403, Ascorbic Acid and Transforming Growth Factor-B1 Increase Collagen Biosynthesis via Different Mechanisms: Coordinate Regulation of Proa1(I) and Proa1(III) Collagens, Charlotte Phillips et al.
104. Archives of Biochemistry and Biophysics, Vol. 307, No. 2, 1993, pp. 331-335, Ascorbic Acid and Collagen Synthesis: Rethinking a Role for Lipid Peroxidation, Douglas Darr et al.
105. Toxicology and Applied Pharmacology, 94, 93-103, 1988, In Vitro percutaneous Absorption in Mouse Skin: Influence of Skin appendages, J. Kao et al.
106. Journal of Pharmaceutical Sciences, Vol. 80, No. 5, 1991, Follicles Play an Important Role in Percutaneous Absorption, Brigitte Illel et al.
107. Journal of Pharmaceutical Sciences, Vol. 81, No. 7, 1992, Studies of In Vitro Skin Permeation and Retention of a Leukotriene Antagonist from Topical Vehicles with a Hairless Guinea Pig Model, Saran Kumar et al.
108. Ultrasound in Med. Biol., Vol. 22, No. 2, pp.151-164, 1996, Physical Characteristics and Biological Effects on Laser-Induced Stress Waves, A. Doukas et al.
109. J. Soc. Cosmet. Chem., 29, 265-282, May 1978, Autoradiographic Study on Percutaneous Absorption of Several Oils Useful for Cosmetics, M. Suzuki et al.

EXAMINER: 

DATE CONSIDERED: March 10, 2005

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

OCT 8 9 2001

Docket Number 509582000110

Application Number 09/876,157

Applicant

David H. McDaniel

Filing Date June 8, 2001

Group Art Unit 3763

Mailing Date

- | | |
|------|---|
| 110. | <u>Lasers in Surgery and Medicine</u> , 20:426-432, 1997, Effects of Low-Energy Gallium-Aluminum-Arsenide Laser Irradiation on Cultured Fibroblasts and Keratinocytes, M. Pogrel et al. |
| 111. | <u>Advance Rehabilitation</u> , July/August 1991, More Than a Thermal Modality: Ultrasound, Stephen Guffey et al. |
| 112. | <u>Electrotherapy</u> , Vol. 11, No. 4, July/August 1991, Ultrasound: Current Concepts, Nancy Gann |
| 113. | <u>The Journal for Prevention and Healing Advances</u> , Vol. 9, No. 5, September/October 1996, Promotion of Wound Healing with Electrical Stimulation, Luther Kloth et al. |
| 114. | <u>Advance for Physical Therapists</u> , March 23, 1992, Iniformity Needed in Therapeutic Use of Ultrasound, Michelle Pronsati |
| 115. | <u>JOSPT</u> , Vol. 12, No. 3, March 1995, Temperature Changes in Deep Muscles of Human During Ice and Ultrasound Therapies: an In Vivo Study, David Draper et al. |
| 116. | Reprint from the <u>Journal</u> , Physikalische Medizin und Rehabilitation Heft 9/68, The Combined Application of Ultrasound and Stimulation Currents, K. Gierlich et al. |
| 117. | <u>Advance Rehabilitation</u> , April, 1995, From Submarines to Rehab: New Developments in Ultrasound, John Murphy |
| 118. | Department of Anatomy, Guy's Hospital Medical School, London, England, pp.110-122; The Effect of Ultrasound on the Rate of Wound Healing and the Quality of Scar Tissue, M. Dyson |
| 119. | The Twentieth Annual Pharmaceutics Graduate Student Research Meeting, The University of Missouri-Kansas School of Pharmacy, June 10-12, 1988, The Effect of Ultrasound on the In Vitro Penetration of Ibuprofen Through Human Epidermis, Maulik Nanavaty et al. |
| 120. | <u>In Vitro Cell. Dev. Biol.</u> , 28A:679-681, November-December, 1992, Productive-Delivering Liposomes Specifically Target Hair Follicles in Histocultured Intact Skin, Lingna et al. |

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.